

**IN THE CLAIMS**

Please amend the claims as follows:

Claims 1-17 (Canceled)

18. (Previously Presented) A molecular identification assembly, comprising:  
a reactive molecule;  
a carbon nanotube attached to the reactive molecule; and  
a chemical modifier attached to a portion of the carbon nanotube separate from the reactive molecule, the chemical modifier altering the friction coefficient of the carbon nanotube.

19. (Original) The molecular identification assembly of claim 18, wherein the reactive molecule includes an assay molecule.

20. (Canceled)

21. (Original) The molecular identification assembly of claim 18, wherein the chemical modifier includes a carboxylic acid group.

22. (Original) The molecular identification assembly of claim 18, wherein the friction coefficient is increased.

23. (Original) The molecular identification assembly of claim 18, wherein the friction coefficient is decreased.

Claims 24-31. (Canceled)